MITSUBISHI ELECTRIC
COOLING & HEATING

P-SERIES

SUBMITTAL DATA: PCA-A36KA4 & PUZ-HA36NHA4

36,000 BTU/H CEILING-SUSPENDED HYPER HEAT-PUMP SYSTEM

Job Name:	
System Reference:	Date:

Indoor Unit: PCA-A36KA4

Outdoor Unit: PUZ-HA36NHA4

GENERAL FEATURES

- High heating capacity at low outside temperatures
- Exhibits 100% of rated heating capacity at 5º F; 90% of rated heating capacity at -4º F
- Built-in drain lift mechanism for condensate removal; lifts up to 33-7/16 inches
- Wide air flow pattern for better air distribution; independently adjustable vanes
- Auto wave airflow in heating mode—unit independently cycles through horizontal and vertical positions for a more even heat distribution
- Self-check function—integrated diagnostics
- Limited warranty: five years parts and seven years compressors

ACCESSORIES

Indoor Unit

□ Condensate Pump (PAC-SH84DM-E)
□ High-efficiency Filter (MERV 8) (PAC-SH89KF-E)

Outdoor Unit

□ M-NET Adapter (PAC-SF81MA-E)
□ Wind Baffle (One Piece)* (WB-PA2)
□ Air Outlet Guide (One Piece)* (PAC-SG59SG)
*PUY(Z) requires two outlet guides or wind baffles for installation.

Controller Options

□ Wireless Wall-mounted Remote Controller Kit (MHK1)**
□ Portable Central Controller (MCCH1)**
□ Outdoor Air Sensor (MOS1)**
□ Wired Wall-mounted Controller (PAR-31MAA)**
□ Simple MA Remote Controller (PAC-YT53CRAU)**
**See Submittal for information on each option.
□ M-NET Adapter (PAC-SF81MA)
□ CN51 Connector for Multiple Remote Controller Adapters/Duct Fan Controller (PAC-725AD)
□ CN24 Relay Kit (CN24RELAY-KIT-CM3)
□ CN32 Connector for Remote On/Off (PAC-715AD)
□ Remote Temperature Sensor (PAC-SE41TS)
□ Remote Operation Adapter - Display and On/Off (PAC-SF40RM)
□ Wireless Remote Control with Receiver Kit (PAR-SL93B-E)
□ i-see Sensor Corner Panel (PAC-SA1ME)
□ Wireless Remote Control with Receiver and i-see Sensor Kit (PAR-SA92MW-E)
□ i-see Sensor (PAC-SH91MK-E)
□ Lockdown Bracket for Hand-held Controller (RCMKP1CB)
□ Control/Service Tool (PAC-SK52ST)

SEACOAST PROTECTION

- External Outer Panel: Phosphate coating + Acrylic-Enamel coating
- Fan Motor Support: Epoxy resin coating (at edge face)
- Separator Assembly ; Valve Bed: Epoxy resin coating (at edge face)
- Screws (used outer side): Zinc nickel coating 5µm + Polyvinylidene chloride coating

"Blue Fin" treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants..

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SPECIFICATIONS: PCA-A36KA4 & PUZ-HA36NHA4

Cooling
Rated Capacity* . . . . . .34,000 Btu/h
Minimum Capacity . . . . . .18,000 Btu/h
SEER . . . . . .16.6 Btu/h/W
Total Input . . . . . .2,810 W

Heating at 47°F
Rated Capacity* . . . . . .38,000 Btu/h
Minimum Capacity . . . . . .18,000 Btu/h
HSPF (IV) . . . . . 10.3 Btu/h/W
Total Input . . . . . .3,270 W

Heating at 17°F
Rated Capacity . . . . . .27,000 Btu/h
Rated Total Input . . . . . .3,490 W
Maximum Capacity . . . . . .38,000 Btu/h
Maximum Total Input . . . . . .5,720 W

Heating at 5°F
Maximum Capacity** . . . . . .38,000 Btu/h
Maximum Total Input . . . . . .6,550 W

*** Rating Conditions per AHRI Standard**
Cooling | Indoor: 80º F (27º C) DB / 67º F (19º C) WB
Cooling | Outdoor: 95º F (35º C) DB / 75º F (24º C) WB
Heating at 47º F | Indoor: 70º F (21º C) DB / 60º F (16º C) WB
Heating at 47º F | Outdoor: 47º F (8º C) DB / 43º F (6º C) WB
Heating at 17º F | Indoor: 70º F (21º C) DB / 60º F (16º C) WB
Heating at 17º F | Outdoor: 17º F (-8º C) DB / 15º F (-9º C) WB
Heating at 5º F | Indoor: 70º F (21º C) DB / 60º F (16º C) WB
Heating at 5º F | Outdoor: 5º F (-15º C) DB / 5º F (-15º C) WB

**** Maximum Capacity is at full speed and performance for INVERTER-driven System.**

ELECTRICAL REQUIREMENTS
Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
Breaker Size . . . . . .30 A

Voltage
Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . .DC ±24V
Indoor - Remote Controller . . . . . MKH1 DC 3V
PAR-21MAAU DC 12V
PAR-FL32MA DC 3V

OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	90º F (32º C) DB 73º F (23º C) WB	115º F (46º C) DB
	Minimum	66º F (19º C) DB 59º F (15º C) WB	0º F** (-18º C) DB
Heating	Maximum	83º F (28º C) DB	70º F (21º C) DB 59º F (15º C) WB
	Minimum	63º F (17º C) DB	-13º F (-25º C) DB -13º F (-25º C) WB

Note: With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23º F (-5º C) DB.

INDOOR UNIT
MCA . . . . . 2 A
Blower Motor (ECM) . . . . . 0.97 F.L.A.
Blower Motor Output . . . . . .160 W
Airflow (Lo - M1 - M2 - Hi) . . . . . 775 - 850 - 920 - 990 Dry CFM
705 - 775 - 850 - 920 Wet CFM
Sound Pressure Level (Lo - M1 - M2 - Hi) . . 37 - 39 - 41 - 43 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	63 / 1,600
D	26-3/4 / 680
H	9-1/16 / 230

Weight . . . . . .79 lbs. / 36 kg
External Finish . . . . . Munsell No. 6.4 8.9 / 0.4
Field Drainpipe Size O.D. . . . . 1-1/32” / 26 mm

OUTDOOR UNIT
Compressor . . . . . DC Inverter-driven Scroll
MCA 28
Fan Motor (ECM) . . . . . .0.4 + 0.4 F.L.A.
Sound Pressure Level
Cooling . . . . . 52 dB(A)
Heating . . . . . 53 dB(A)

DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	53-1/8 / 1,350

Weight . . . . . .265 lbs. / 120 kg
External Finish . . . . . .Munsell No. 3Y 7.8 / 1.1
Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . .5/8” / 15.88 mm
Liquid Side . . . . . .3/8” / 9.52 mm
Max. Refrigerant Pipe Length . . . . . 245’ / 75 m
Max. Refrigerant Pipe Height Difference . . . . . 100’ / 30 m
Connection Method . . . . . .Flared

Notes:

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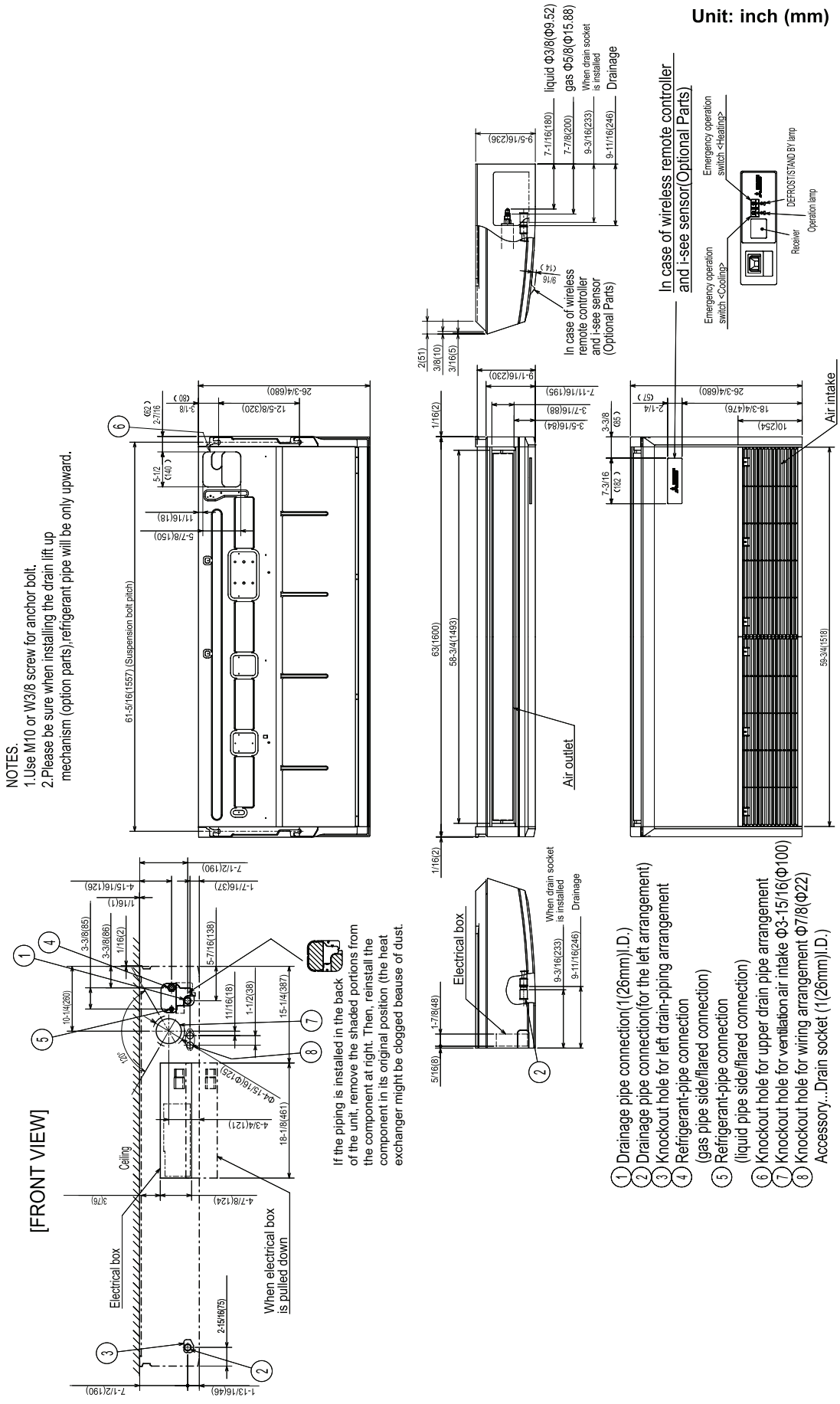
DIMENSIONS: PCA-A36KA4


Unit: inch (mm)
NOTES.
1.Use M10 or W3/8 screw for anchor bolt.
2.Please be sure when installing the drain lift up mechanism (option parts),refrigerant pipe will be only upward.
[FRONT VIEW]
Ceiling
Electrical box
When electrical box is pulled down
If the piping is installed in the back of the unit, remove the shaded portions from the component at right. Then, reinstall the component in its original position (the heat exchanger might be clogged beause of dust.
Air outlet
Air intake
Electrical box
When drain socket is installed
Drainage
liquid Φ3/8(Φ9.52)
gas Φ5/8(Φ15.88)
In case of wireless remote controller and i-see sensor (Optional Parts)
In case of wireless remote controller and i-see sensor(Optional Parts)
Emergency operation switch <Cooling>
Emergency operation switch <Heating>
Receiver
DEFROST/STAND BY lamp
Operation lamp
① Drainage pipe connection(1(26mm)I.D.)
② Drainage pipe connection(for the left arrangement)
③ Knockout hole for left drain-piping arrangement
④ Refrigerant-pipe connection (gas pipe side/flared connection)
⑤ Refrigerant-pipe connection (liquid pipe side/flared connection)
⑥ Knockout hole for upper drain pipe arrangement
⑦ Knockout hole for ventilation air intake Φ3-15/16(Φ100)
⑧ Knockout hole for wiring arrangement Φ7/8(Φ22)
Accessory...Drain socket (1(26mm)I.D.)

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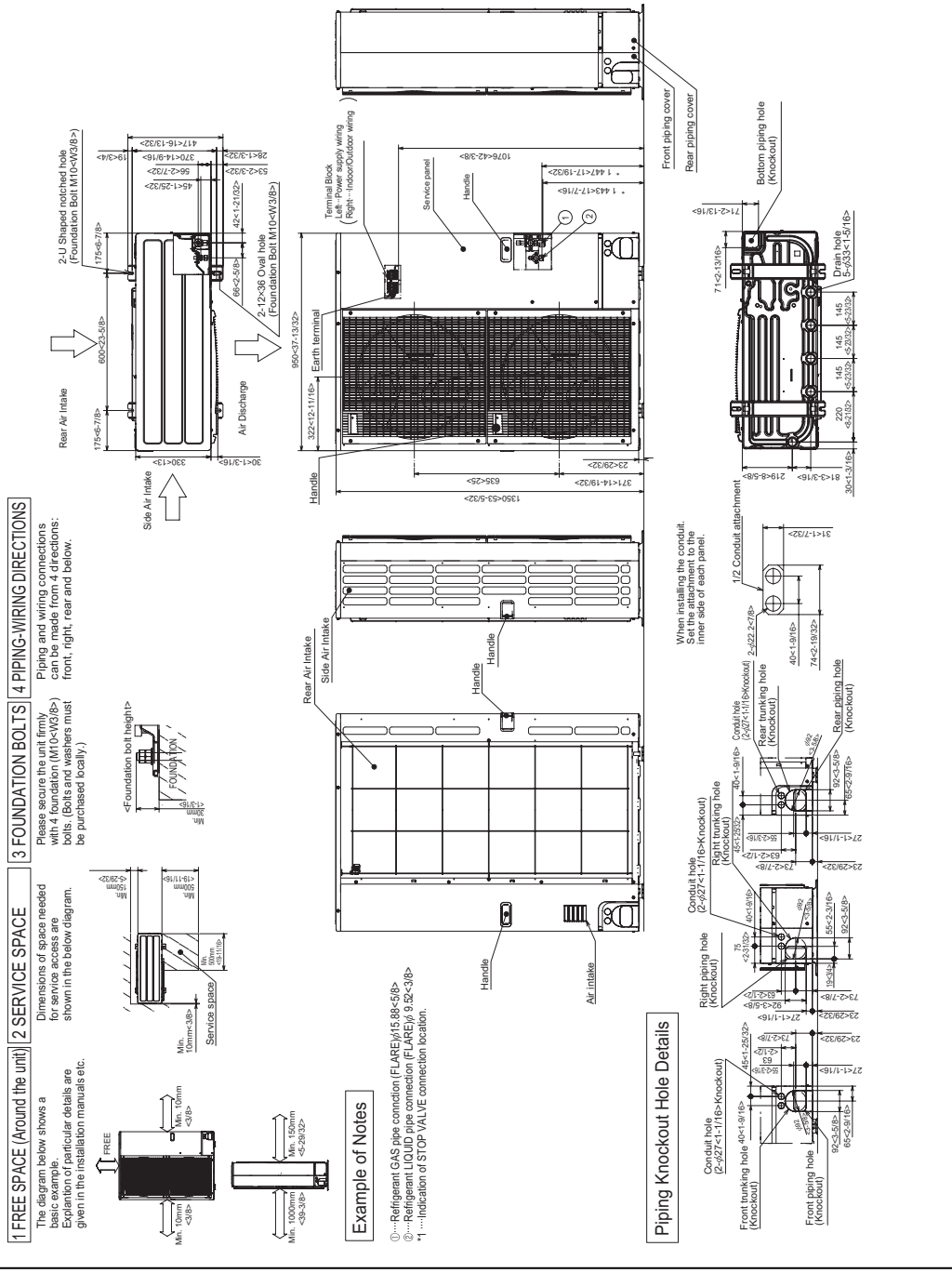
DIMENSIONS: PUZ-HA36NHA4

Unit : mm<inch>


1 FREE SPACE (Around the unit)
The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.
2 SERVICE SPACE
Dimensions of space needed for service access are shown in the below diagram.
3 FOUNDATION BOLTS
Please secure the unit firmly with 4 foundation (M10<W3/8>) bolts. (Bolts and washers must be purchased locally.)
4 PIPING-WIRING DIRECTIONS
Piping and wiring connections can be made from 4 directions: front, right, rear and below.
Example of Notes
Piping Knockout Hole Details
Rear Air Intake
Side Air Intake
Air Discharge
Handle
Earth terminal
Terminal Block
Service panel
Front piping cover
Rear piping cover
Bottom piping hole (Knockout)
Drain hole
Service space
Air intake

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

ETL LISTED US
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INVERTER

R410A

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